

Arlington Recycling Committee
Minutes of 2/7/13

Present: Co-Chair Juli Brazile, Co-Chair Gordon Jamieson, DPW Recycling Coordinator Charlotte Milan, Ellen Callaway, Secretary Pete Howard

RECYCLING COORDINATOR REPORT/TONNAGE Gordon presented a revised chart of tonnage incinerated vs fiscal year (Ref 1). This chart shows a steady decrease since a baseline of the 1st half of the first decade of the 21st century. It includes an estimate for this FY based on data through Dec and the same monthly rate for the rest of the year. This estimate is very close to a 30% reduction from 2008 which meets the SWMP goal for 2020 set by DEP. The chart also shows an estimate for 50% diversion, which a goal the Committee urged the Selectmen to support when the new trash contract was announced. Diversion is tracked by the DEP. Our goal is for trash to be only half of the total town waste (trash, yard waste, recycling and white goods (large appliances). Charlotte will seek to provide detailed records of yard waste, recyclables, metal and white goods for future meetings.

UPDATES-Ongoing Projects

Letter to Governor: No response as yet. Juli reported that Town Manager has not talked w/ other communities but plans to. She will follow up.

Business Recycling: Charlotte reported that DoH does not have time to revise the trash hauler regulations now. And that town counsel has recommended that DPW regulations and coordinated enforcement with DoH will be the best approach. The DPW Director will discuss w/ the DoH Director to see what can be done.

E-Waste: Charlotte provided a graphic (Ref 2) (an eye catching chart showing the fraction of a trash truck devoted to each of 9 kinds of trash based on DEP data). The picture shows the % by weight of various materials in sample loads sent to MA incinerators in 2011. Electronics compose 3.3%. She will try to find out how much e-waste was collected at recent CCDs and through the DPW Office bins. Since that seems to be a popular service, Gordon proposed offering an e-waste only collection day to be held perhaps in the summer. The cost could be covered by the ARC Art 35 fund. Charlotte to find out how much that might cost. Charlotte provided a flyer (Ref 3) on the State Electronics Challenge (SEC). This may be a program that a volunteer could investigate for use in Arlington.

School Cafeteria Recycling: Charlotte, using a recycle flyer (Ref 7), reported that Stratton has begun a program and Dallin will start after vacation. Bishop & Pierce, are planning programs. Brackett has been doing it for almost 2 years. This leaves Harding & Thompson. She pointed out that when the students get to Ottoson their parents may be able to get a program started there.

School Year End Purge: Charlotte said JRM is willing to provide extra trucks.

Plastic Bags: Ellen has discussed with the Whole Foods EcoCzar (Ref 6). They do recycle many kinds of plastic films. She will request reusable Whole Foods shopping bags for distribution at EcoFest & CCD.

METRICS AND GOALS

The members present agree that the main goal should be the 50% diversion as shown on Ref 1. We will not advertise our prediction of meeting the 2020 goal in FY13. Juli & Ellen will plan to present this status chart to the BoS in March. Juli will make arrangements.

Juli provided a donut chart (Ref 5) that shows 4 components of the waste stream for the predicted FY 13 total. She will label the sectors. This is an excellent graphic to show how the town is handling its waste stream.

Gordon provided a table (Ref 4) showing a possible way to reach 50% diversion by increasing diversion in 6 categories. This could be a good way to focus our efforts on the goal.

Town Appropriation: Members present agreed to retain the FY13 policy of no appropriation with the understanding that the ARC can authorize use of the ART 35 (White Goods) fund.

ACTIONS BY ARC: This topic was discussed briefly as the meeting was ending. Juli suggested that it would be appropriate to carry out several one person jobs that would promote recycling and encourage diversion to save the Town money.

TOPICS FOR FUTURE MEETINGS (Not addressed above)

Recycling Promotion Articles

Recycling Bin Map

Spring CCD

EcoFest

FUTURE MEETINGS - 3/7/13 First Thursday of each month at 7:30 PM in the Town Hall Annex unless otherwise announced.

Ref 1 Arlington Solid Waste Incineration

Ref 2 It's not WASTE until it is WASTED

Ref 3 Turn Your Computer Green - Become a State Electronics Challenge Partner

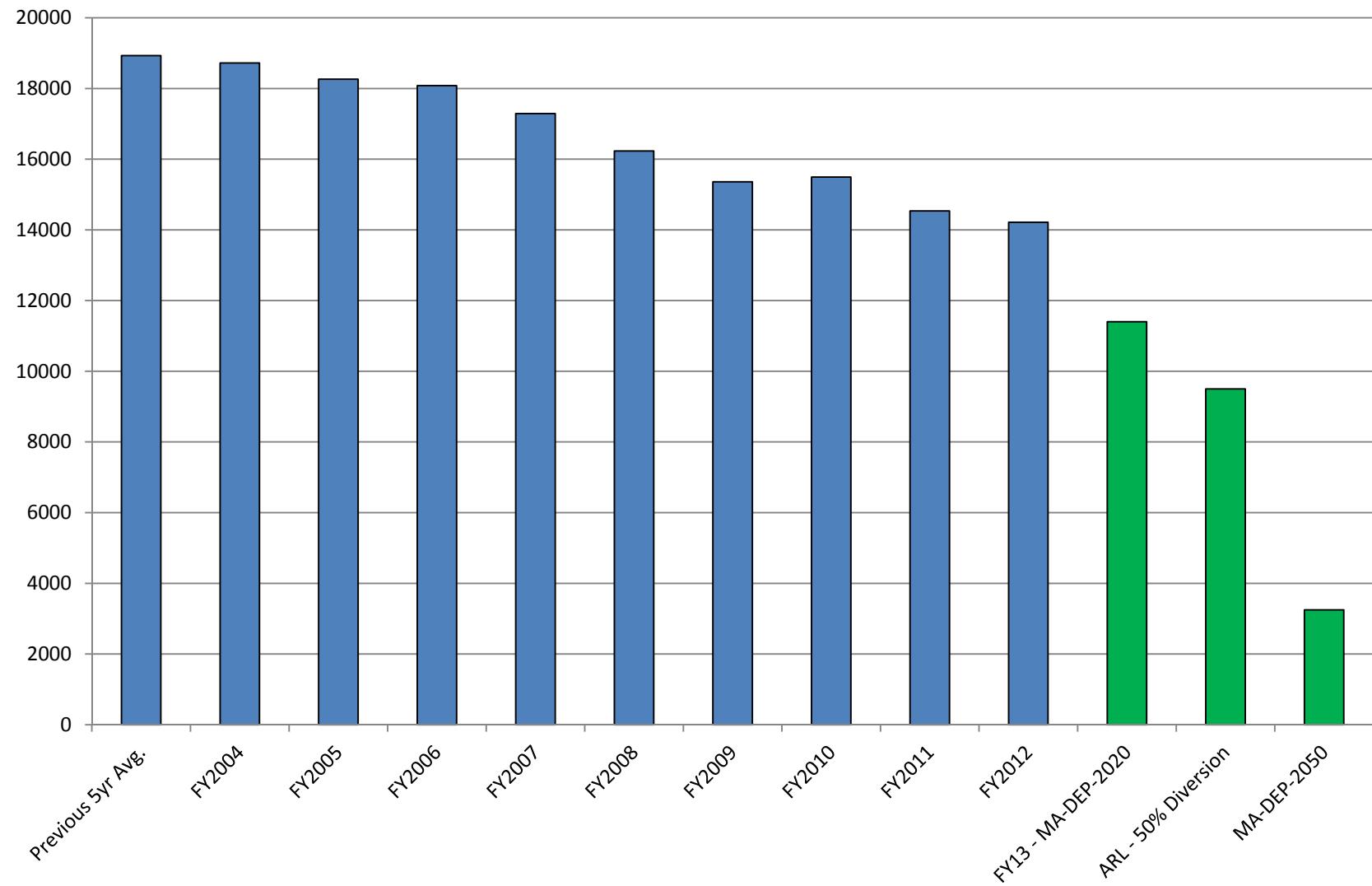
Ref 4 How To Reach 50%

Ref 5 Diversion Chart

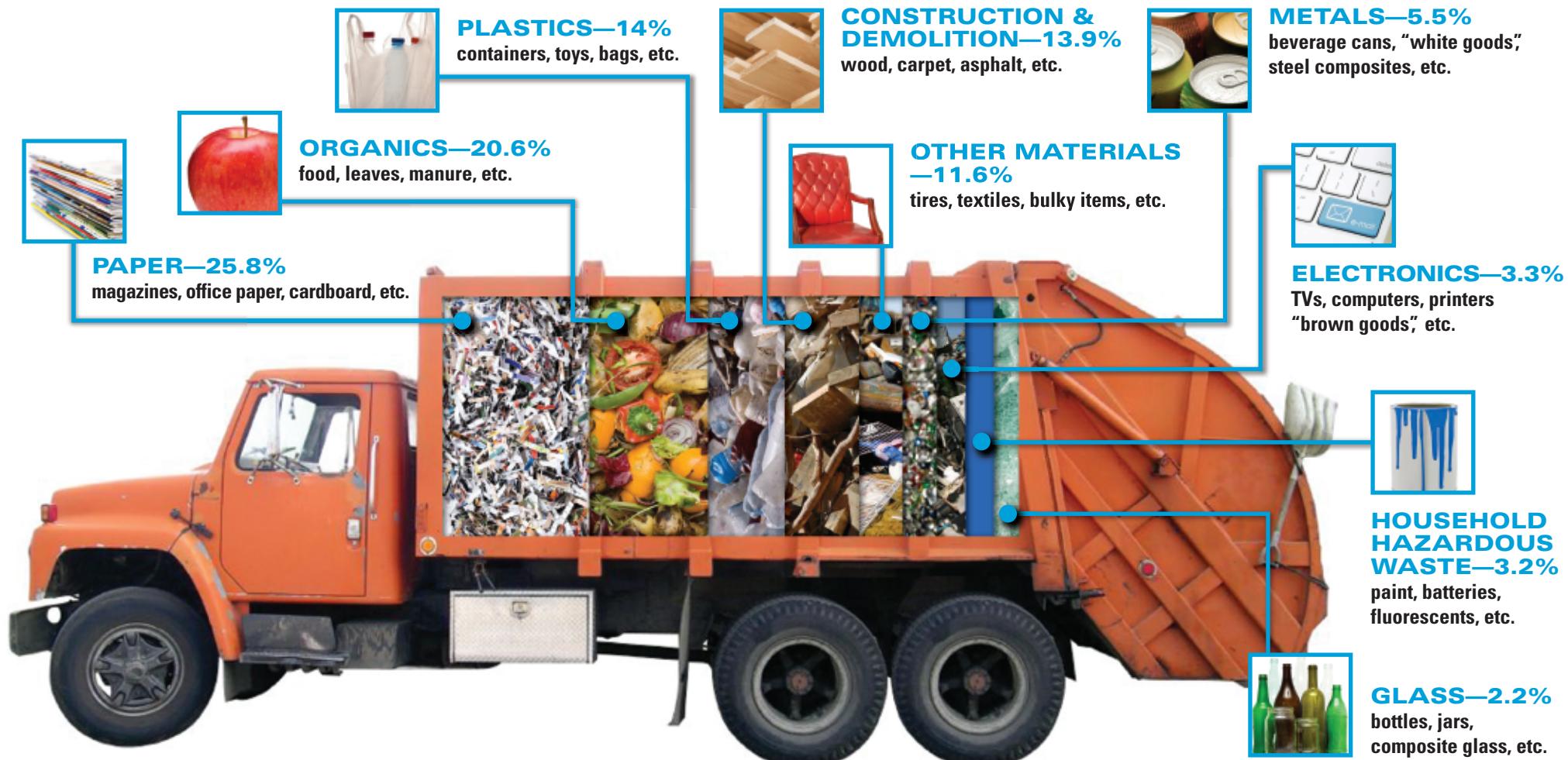
Ref 6 The Plastic Bag & Stretch Film Recycling Program

Ref 7 School Cafeteria Recycling

Arlington Solid Waste Incineration (Tonnage vs. FY)



It's not WASTE until it's WASTED!



Data: Weighted averages from sample loads of in-state waste sent to six Massachusetts incinerators.

From: Municipal Waste Combustor Class II Recycling Program Waste Characterization Studies, February & March 2011, MassDEP

Info on Waste and Waste Reduction

MassDEP: www.mass.gov/dep/recycle/priosres.htm

Zero Waste International Alliance: tinyurl.com/6r3guzs

EPA WasteWise: www.epa.gov/osw/partnerships/wastewise/wrr/rm.htm

Let's REUSE, RECYCLE, and COMPOST our resources.



Ref 3

Turn Your Computer Green – Become a State Electronics Challenge Partner www.StateElectronicsChallenge.net

The State Electronics Challenge harnesses the purchasing power and resources of the public sector through a coordinated effort to change the way office equipment is designed, used and disposed of. By working together, the public sector can change the electronics marketplace for the better.



The State Electronics Challenge (SEC) is a voluntary program to help organizations demonstrate sustainability and stewardship, and reduce costs through responsible purchasing, use and disposal of office equipment.



Partners are state and local government agencies, tribal governments, schools, colleges and universities, and other public entities that sign up to buy green office equipment, use it efficiently, and recycle it responsibly. Already the SEC has 100 Partners in 36 states representing more than 145,000 people. For a list of current Partners, see our [website](#).



Why Office Equipment? Computers are the poster-child for environmental concern. They are ubiquitous, pervasive and constantly changing. Computers, monitors, copiers and printers contain toxic materials and hazardous constituents; they are heavy users of energy and paper and are often hard to recycle. Nearly everyone has seen or heard about the negative practices in end-of-life scenarios for computers. SEC offers a positive means to address the problem.

How does the program work?

- The State Electronics Challenge focuses on the three phases of the office equipment life cycle by:
 - Buying green equipment, using the EPEAT® guidelines;
 - Using equipment efficiently, reducing energy and paper use;
 - Recycling obsolete or unwanted equipment responsibly using certified recyclers.

Why Join the State Electronics Challenge?

Protect the Environment

For example, for every 1,000 “green” computers purchased, power managed, and recycled after 5 years in use:

- Decreases energy usage by the amount of electricity needed to power 100 households annually;
- Lowers greenhouse gas emissions by an amount equivalent to removing 177 cars from the road per year;
- Avoids the amount of solid waste generated by 24 households annually;
- Decreases hazardous waste entering the waste stream by 14 metric tons, equivalent to the weight of 112 refrigerators; and
- Avoids the use of 193 pounds of toxic materials, including lead and mercury in an amount equivalent to 23 mercury fever thermometers

Reduce Costs

Saving energy means saving money. Every 1,000 computers used to SEC standards can save \$25,000 to \$75,000 per year in energy costs.

Access Tools & Support

SEC offers implementation tools and technical assistance to make sure you get the most value out of the program.

Get Recognition

SEC gives awards annually to draw media attention to outstanding programs.



- State Electronics Challenge Partners proactively change how they buy, manage and/or use electronics with the following steps:
 - Adopt a policy to track the purchase, use and/or end-of-life disposal of equipment;
 - Examine current practices and complete a baseline survey;
 - Complete an annual review of the phase or phases adopted to track progress;
 - Demonstrate a commitment to sound environmental practices and wise use of energy and natural resources; and
 - Lead the way in affecting environmental change.
- Participating Partners can reap the following rewards:
 - Conserve energy;
 - Cut operating costs;
 - Reduce greenhouse gas emissions;
 - Avoid solid and hazardous waste; and
 - Take toxic materials out of commerce.

To support Partner efforts, the State Electronics Challenge provides:

1. ***Sustainability Reports:*** The SEC provides Partners with individualized sustainability reports that demonstrate the impact of their actions. The reports give Partners an opportunity to document the program's contribution to sustainability and stewardship goals and promote their achievements.
2. ***Annual Recognition:*** Partners are eligible for the SEC's annual awards and recognition program that draws public and media attention to outstanding programs.
3. ***Partner-only Resources:*** The SEC provides free support to help implement the chosen management practices.
 - i. Implementation Tools provide Partners with resources to implement program goals for procurement, energy conservation, equipment reuse and donations, and recycling.
 - ii. Free Technical Assistance to Partners on such issues as program requirements, available resources, mentor organizations, and completion of data collection forms.
 - iii. Partner-only Webinars provide focused presentations on selected topics.

Support for the State Electronics Challenge is made possible by a grant from the U.S. Environmental Protection Agency Great Lakes Restoration Initiative, and sponsorship by Samsung Electronics, Panasonic, Sims Recycling Solutions, the ISRI R2/RIOS program, and the Consumer Electronics Association.

Ref 4

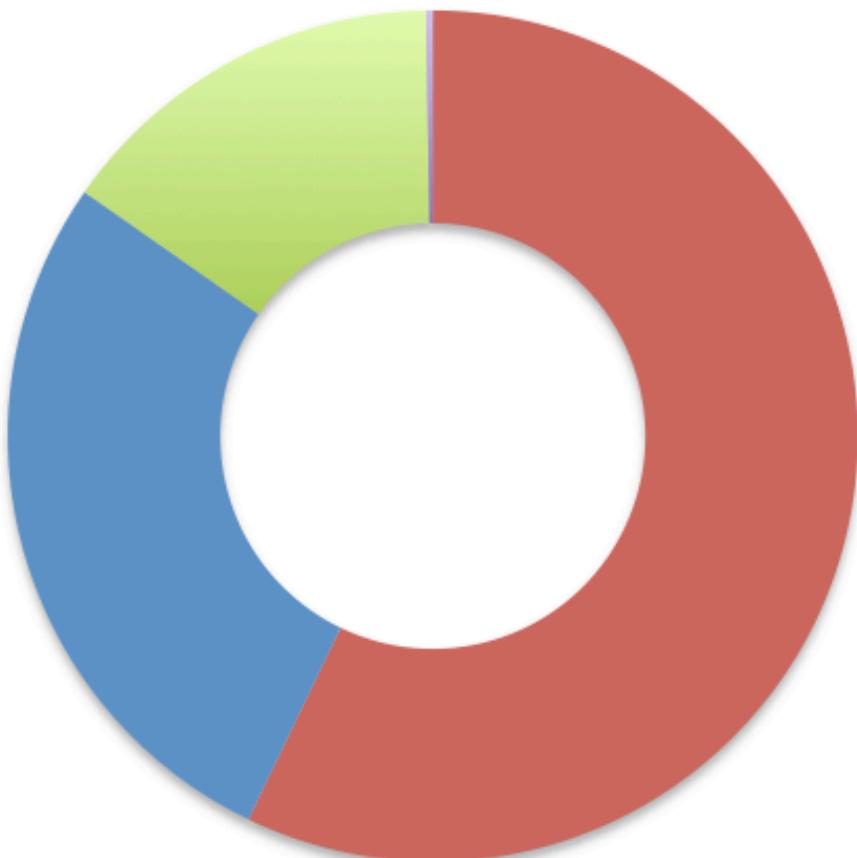
Year	Trash/Tip	Recycling	Yard Waste	White goods	Bulkies	Town E-Waste	Other	Diversion
FY2013 (Est.)	11400	5500	3000	50	-	50	120	20190
50% Diversion What If	9500	6000	3000	50	200	100	50	18970

Community/CCD Books
Community/CCD Metal/Bikes
Residential composting

Community E-Waste
Community CCD Clothes
Community/CCD Paper



Ref 5



- Trash/Tip
- Curbside Recycling
- Curbside Yard Waste
- White goods



The plastic bag and stretch film recycling program.



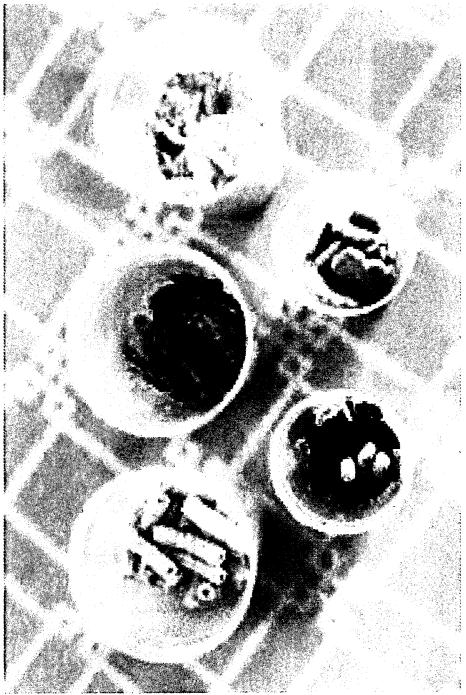
acceptable material

- Returned plastic shopping bags
- Clean and dry pallet wrap
- Shrink wrap
- Stretch plastic overwrap
- Bubble wrap
- Dry cleaning bags

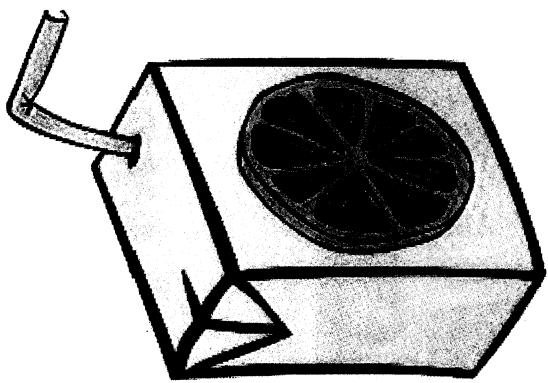
unacceptable material

- Floral wrap
- Soggy pallet wrap
- Strapping materials
- Plastic bags with strings
- Plastic bags with plastic handles
- Plastic bags with food residue
- Plastic zipper type bags

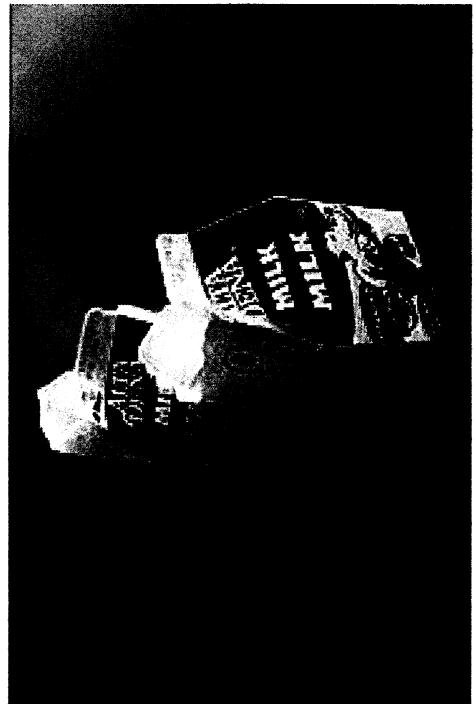
Recycle



drink until
empty



straws OK



empty
cups and
lids



dump liquid in
bucket

Ref 7

Students